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RESULTS OF SUPPLEMENTAL SARATOGA SPITTLEBUG
SCAR-COUNT SURVEY - 1969 - NICOLET NATIONAL FOREST

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INTRODUCTION

Scar-count surveys on the Nicolet National Forest revealed Saratoga spittlebug outbreak areas on the Eagle River and Florence Ranger Districts, and a heavily damaged plantation on the Laona Ranger District (Millers & Erickson, 1969). After the outbreaks were detected, all the susceptible plantations in the vicinity of the outbreak were surveyed to determine the extent of the outbreak. This report presents the results of the supplemental surveys.

RESULTS

One plantation (C-116) on the Eagle River Ranger District has sufficiently severe damage to be considered for suppression (Table I). In the other plantations spittlebug damage was light, or the District recommended that the plantations be dropped from future surveys. The major reasons for dropping the plantations were poor stocking, area too small for economic treatment, or other conifers used in the replant.

On the Florence Ranger District one plantation (2e) has a moderate spittlebug damage. The plantation is not in an immediate danger from the spittlebug. However, if a nymphal survey suggests a high population in 1970, the area might be considered for suppression.

The other plantations are recommended to be dropped from future surveys because of poor stocking, hardwood overstory or no spittlebug hazard is expected. The plantations with hardwood overstory should be returned to the list for spittlebug scar-count surveys after the overstory is removed.



TABLE I. RESULTS OF SUPPLEMENTAL SARATOGA SPITTLEBUG SCAR-COUNT
SURVEY - 1969 - NICOLET NATIONAL FOREST

Eagle River Ranger District

<u>Plant. No.</u>	<u>T</u>	<u>R</u>	<u>S</u>	<u>Acres</u>	<u>Scars</u> ^{1/}	<u>Recommendation</u>
52a	40	11	33	48	-	Drop
52e	40	11	10	30	-	Drop
24d	40	11	15	90	-	Drop
31	40	11	15	12	-	Drop
24b	40	11	15	16	-	Drop
C-111	40	11	22	16	-	Drop
49c	40	11	23	10	-	Drop
53b	40	12	1	38	-	Drop
49h	40	12	2	25	L	SC-1973
49d	40	12	8	31	-	Drop
52f	40	12	10	60	L	SC-1973
53d	40	12	14,15	20	L	SC-1973
---	40	12	22	41	-	Drop
53j	41	11	13	8	-	Drop
49m	41	11	13,14	12	-	Drop
---	41	11	27	70	-	Drop
C-116	41	11	33	15	H	Nymph-1970
53g	41	12	15	12	-	Drop
53k	41	12	17	4	-	Drop
49f	41	12	33	8	-	Drop
---	42	11	18	10	-	Drop

Florence Ranger District

S-64t	39	14	15	--	-	Drop-failure
7i	39	15	2	40	-	Drop-overstory
9i	39	15	25	20	-	Drop-Failure
7k	39	15	35	39	-	Drop-failure
1b	40	15	13	25	-	Drop-overstory
7j	40	15	29	13	-	Drop-failure
S-64v	40	15	29	--	-	Drop-failure
9o	40	16	3	8	-	Drop-failure
2g	40	16	6	39	-	Drop-failure
3b	40	16	12,13	15	-	Drop-overstory
9p	40	16	14	14	-	Drop-failure
---	41	14	34	65	-	Drop-no hazard
2d	41	15	25	12	-	Drop-failure
2e	41	16	28	12	M	Nymph-1970
7m	41	16	28	21	-	Drop-failure

^{1/} Saratoga spittlebug scar-counts: H-heavy, M-moderate, L-light

RECOMMENDATIONS

1. The Forest Manager is advised to consider plantation C-116 on the Eagle River Ranger District and plantation 2e on the Florence Ranger District for spittlebug suppression.
2. The Ranger Districts should act on the remaining plantation recommendations.

LITERATURE CITED.

Millers, I. and G.W. Erickson 1969. Biological Evaluation of Saratoga spittlebug on the Nicolet National Forest based on 1969 Scar-count surveys. USDA, Forest Service, Northeastern Area, State and Private Forestry, St. Paul Field Office Report S-69-38. 9pp.